



Discovery of Incidental Munitions Debris Items during a NTCRA at a Unique Site

Presented By
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Objectives



- **Brief on past and present usage of Environmental Restoration Site 24, as well as historical investigations performed.**
- **Provide lessons learned on how information pertaining to munitions items should be communicated and incorporated throughout the CERCLA process.**

Agenda

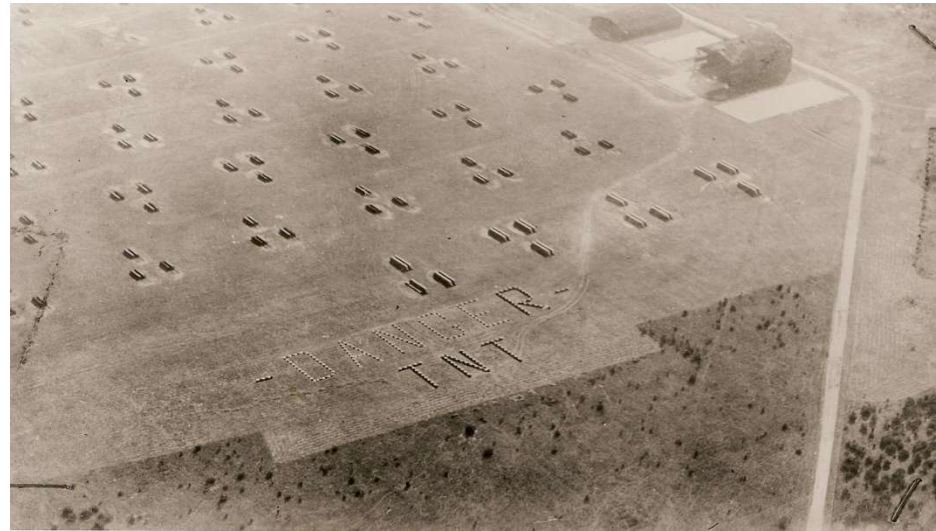


- **Site History**
- **Site Investigations**
- **Remedy Selection**
- **Remedy Implementation**
- **NOSSA Communication**
- **Knowledge Check**
- **Take Aways**

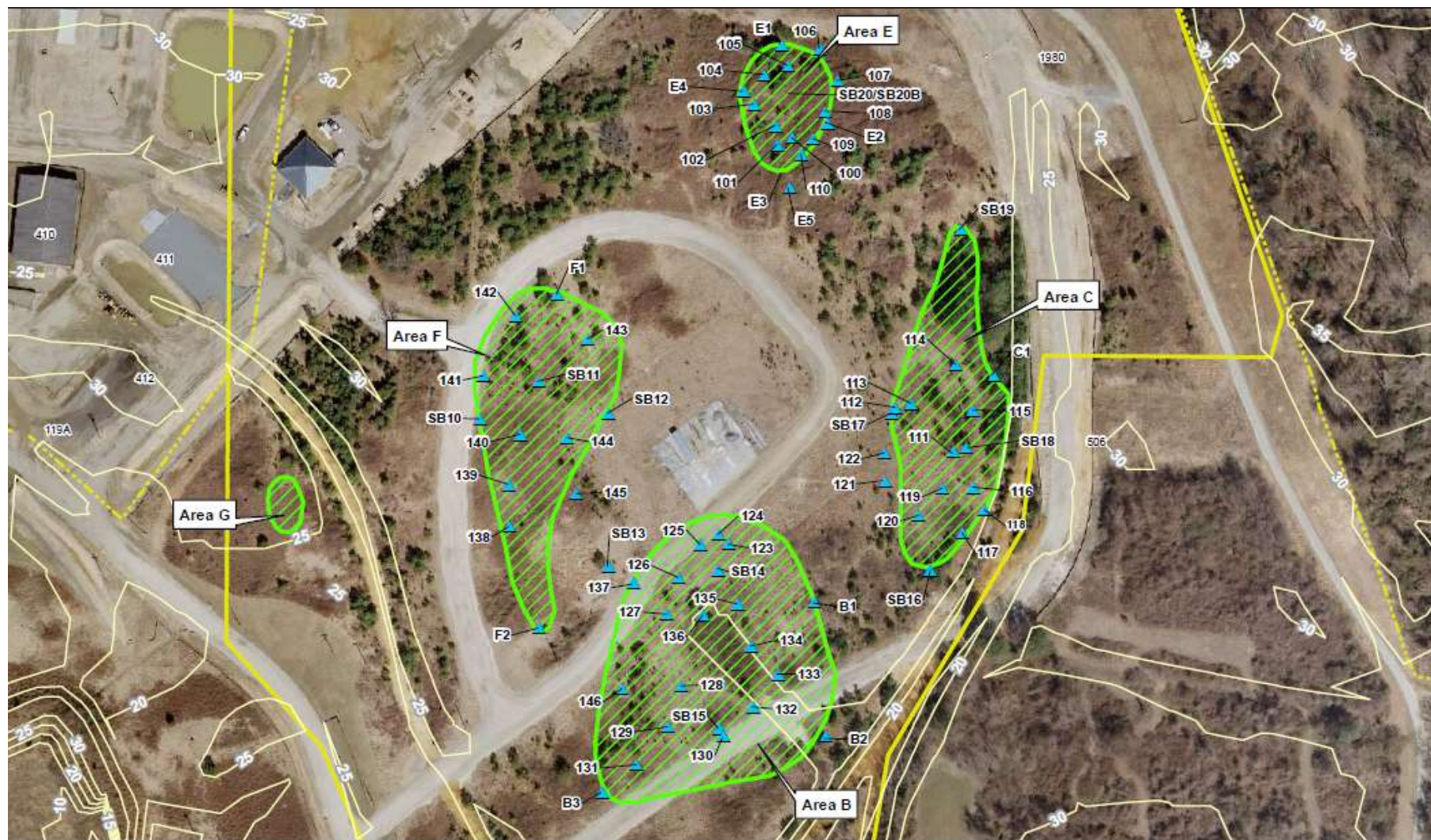
Site History



- **1918 - 1927 - Aviation field**
- **Post 1927 - Munitions storage caches**
 - Including storage of miscellaneous debris (batteries and cables)
- **Current - Helicopter landing pad, training range**



Site Investigations



Site Investigations



- **1996 – Site Screening**
- **2008 – Phase 1 Remedial Investigation (RI)**
- **2014 – Phase 2 RI**
- **2015 – Engineering Evaluation/Cost Analysis**
- **2016 – Action Memo**

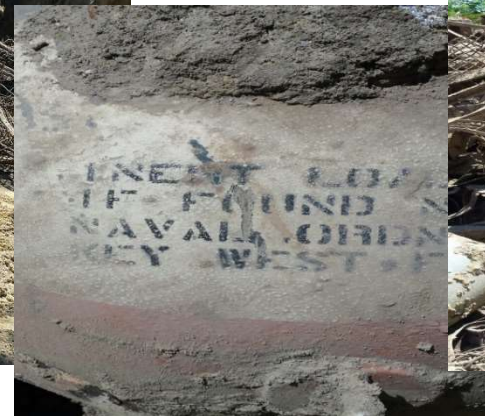
Remedy Selection



Remedy Implementation



- **Areas F-4 and C-3**
 - No munitions items
- **Area E-6 and B-8**
 - Munitions items encountered
 - Torpedo components
 - Mark 6 training mines
 - Mine scrap items.



NOSSA Communication



NOSSA Communication

- **Area E-6**
 - Permission to resume work in all other areas
 - Explosive Safety Submission (ESS) required for the remaining work in E-6
- **Area B-8**
 - ESS(Draft) was submitted November 2016 and finalized September 2017)



Remedy Implementation – Cont.



- **Remobilized under approved ESS.**
- **Full UXO team support**
 - **Vegetation removal**
 - **Site surveying**
 - **Soil confirmation sampling**
 - **Excavation activities**
- **Offsite soil disposal requires detector-aided visual scanning in 6-inch lifts**
- **All metal is inspected and verified as non-munitions debris or MPPEH.**



Knowledge Check



- If munitions items/components are included in your site history, continue investigations under the Installation Restoration Program? (T/F)

Answer: F

- When should UXO requirements be taken into consideration?
 - A. During remedy implementation*
 - B. As soon as you have knowledge that munitions items have either been stored or used on site.*
 - C. Whenever you feel like it.*

Answer: B

Take Aways



- Take into consideration the **FULL** site history.
- If there is knowledge of munitions items on site, incorporate **UXO** requirements early in the process.

Contacts and Questions



Points of Contact

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Questions ?